

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	("20050019235").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/01 16:15
S2	2412	422/211.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/01 11:53
S3	9051	(ring or cylinder or Raschig) and (packing with density)	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/01 11:53
S4	21	S2 and S3	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/01 14:43
S5	158	pressure with drop with packing with density	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/01 12:45
S6	2	S2 and S5	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/01 12:25
S7	9	S5 and (packed with reactor)	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/01 13:00
S8	3	(tube or tubular) with reactor with packing with density with pressure with drop	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/01 13:11
S9	182	pressure with drop with (increase or increases) with packing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/01 13:12
S10	13	S9 and ((tube or tubular) with reactor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/01 15:24
S11	1	("4511671").PN.	USPAT; USOCR	OR	OFF	2007/08/01 14:43
S12	259	(methylpropenal or methacrolein) and (silver with catalyst)	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/01 14:54
S13	1125	silver.ab. and catalyst.ab.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/01 14:53

## EAST Search History

S14	46	S12 and S13	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/01 14:53
S15	126	(methylpropenal or methacrolein) and (silver with catalyst) and (isobutylene or butanol)	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/01 14:55
S16	19	S13 and S15	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/01 15:03
S17	1	("20060245992").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/01 15:03
S18	182	pressure with drop with (increase or increases) with packing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/01 15:10
S19	13	S18 and ((tube or tubular) with reactor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/01 15:10
S20	9	S19 and porous	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/01 15:20
S21	1	porous with (Raschig or cylinder or cylindrical) with decrease with pressure with drop	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/01 15:22
S22	153	porous with (Raschig or cylinder or cylindrical) with (decrease or lower or lowers) with pressure	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/01 15:28
S23	1	S22 and ((tube or tubular) with reactor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/01 15:24
S24	4	S22 and "422"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/01 15:39

## EAST Search History

S25	593	(porous with packing) and ((low or lower or small or smaller or lessens or decrease or decreases) with pressure with (drop or difference or differential))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/01 15:40
S26	14	S25 and ((tube or tubular) with reactor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/01 15:43
S27	347	S25 and reactor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/01 15:43
S28	18	S27 and "422"/\$.cccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/01 15:43
S29	2	((("4389338") or ("4248740"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/01 15:49
S30	42	((("3563913") or ("3565914") or ("3844981") or ("3937476") or ("3962136") or ("3962285") or ("4207210") or ("4212772") or ("4458032") or ("4471071") or ("4728634") or ("4731350") or ("4761394") or ("4766105") or ("4808738") or ("4820675") or ("4829044") or ("4845296") or ("4393114") or ("4994587") or ("5100859") or ("5145824") or ("5187140") or ("5254786") or ("5364826") or ("5380697") or ("5380885") or ("5407888") or ("5418202") or ("5457897") or ("5502020") or ("5597773") or ("5703253") or ("5705661") or ("5739075") or ("5801259") or ("6368998") or ("6498122") or ("6656874") or ("20020010094"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/01 17:37
S31	4	((("4511671") or ("4645754") or ("4656157") or ("20020010378"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/01 16:50

## EAST Search History

S32	66	((("3972829") or ("4005049") or ("4908343") or ("4797270") or ("4361504") or ("4366092") or ("4367167") or ("4810689") or ("4186106") or ("4125480") or ("4886917") or ("5057481") or ("2901441") or ("5734068") or ("5668077") or ("4874739") or ("4916243") or ("5387751") or ("5447897") or ("5486628") or ("5545603") or ("5663385") or ("5055442") or ("5037794") or ("4994588") or ("4994589") or ("5112795") or ("4797279") or ("5374748") or ("4361500") or ("3895093") or ("4235798") or ("4244889") or ("4356312") or ("4368144") or ("4379134") or ("4420420") or ("4628129") or ("4665048") or ("5935894") or ("6103916") or ("6281160") or ("5380697") or ("4361503") or ("2424083") or ("4382149") or ("4532231") or ("5457897") or ("4837194") or ("6511938") or ("3997476") or ("5447897") or ("4366093") or ("6325919") or ("4921681") or ("4033903") or ("20040225138") or ("20040260103") or ("20040224841") or ("6631890") or ("5626455") or ("5588986") or ("20020137957") or ("2238474"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/01 16:51
S33	0	("7259129").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/01 17:38
S34	0	("7259129").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/01 18:00
S35	1	("7102022").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/01 18:03
S36	0	("7259129").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/01 18:04